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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/517,067	12/03/2004	Valentin Cherednick	3449-040PUS1 8649		
2292	7590 07/20/2006		EXAMINER		
	EWART KOLASCH &	BUDD, MARK OSBORNE			
PO BOX 74° FALLS CHU	7 JRCH, VA 22040-0747	ART UNIT	PAPER NUMBER		
	· · · · · · · · · · · · · · · · · · ·	2834			
			DATE MAILED: 07/20/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

<del>-</del>		Application	n No.	Applicant(s)				
Office Action Summary		10/517,06	7	CHEREDNICK ET AL.				
		Examiner		Art Unit				
		Mark Budo	I	2834				
Period fo	The MAILING DATE of this communication or Reply	n appears on the	cover sheet with the	correspondence ad	ddress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RICHEVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communicatio period for reply is specified above, the maximum statutory per to reply within the set or extended period for reply will, by seeply received by the Office later than three months after the red patent term adjustment. See 37 CFR 1.704(b).	IG DATE OF TH FR 1.136(a). In no even on. period will apply and will statute, cause the appl	IIS COMMUNICATION Int, however, may a repty be ting Il expire SIX (6) MONTHS from ication to become ABANDONE	N. nely filed the mailing date of this of (35 U.S.C. § 133).	·			
Status								
1)□	Responsive to communication(s) filed on _							
2a)□	This action is <b>FINAL</b> . 2b) This action is non-final.							
3)								
,_	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	·						
4)⊠	\$)⊠ Claim(s) <u>1-18</u> is/are pending in the application.							
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) <u>3-14</u> is/are allowed.							
	Claim(s) <u>1,2 and 15-18</u> is/are rejected.							
7)								
8)□	Claim(s) are subject to restriction and/or election requirement.							
Applicati	on Papers							
9)[]	The specification is objected to by the Exar	miner						
10)⊠ The drawing(s) filed on <u>03 December 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
12)⊠	Acknowledgment is made of a claim for for	reign priority und	der 35 U.S.C. § 119(a	)-(d) or (f).				
a)	a)⊠ All b) ☐ Some * c) ☐ None of:							
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau (PCT Rule 17.2(a)).							
* 5	See the attached detailed Office action for a	a list of the certif	ied copies not receive	ed.				
Attachmen —	t(s)							
	e of References Cited (PTO-892)		4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Notice of Informal Patent Application (PTO-152)								
Paper No(s)/Mail Date <u>12-3-04</u> .								

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims1, 2 and 15 -- 18 are rejected under 35 USC 102 (b) as anticipated by Inoue (325) or Inoue (738). Inoue (738) note column 4 lines 47-49, column 5 lines 7-10 column 7 Lions 37-40 and column 8 lines 2-4 teaches a single crystal of langasite which Euler angles that include the specific cuts and/or portions of ranges contained in applicants claims. Regarding Inoue (325) note column 4 lines 41-43, column 5 lines 1-3 and column 7 lines 31-33. Regarding method claims 15 and 16, the steps are known per se. They are the same steps always used to to determine (orient) a piezoelectric crystal blank prior to cutting. The step of setting a range in an optimal range is always the goal when designing a piezoelectric device. Thus, assuming that Inoue follows the known routine design and cutting criteria to obtain the substrates, Inoue anticipates this claim. Regarding claims 17 and 18, note for example table 1 (column 1,Inoue (325)) which teaches the use of quartz and lithium tantalite as surface acoustic wave substrates with specific angles, presumably each of which was selected as the optimum for its intended purpose. Thus, this described prior art, anticipates claims 17 and 18.

Claims 3-14 are allowed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Budd whose telephone number is 571-272-2019. The examiner can normally be reached on Monday-Thursday from 6 a.m. to 4 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg, can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mark Budd Primary Examiner

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